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(54) **HIGH PERFORMANCE STACKED CONNECTOR**

(57) A stacked I/O connector for use with a high speed, high density transceiver that generates a large amount of heat. The connector may be formed with a web-like housing into which leadframe assemblies are inserted. The web-like housing may have openings in the front, back, top and/or sides, enabling airflow through the connector with little resistance. Sidewall openings may open into a channel between the housing and a wall of cage, enabling air flowing to cool transceivers inserted into the cage to pass through the connector assembly with low resistance and high cooling efficiency. A cage for the connector may have openings selectively positioned such that air flowing through the cage to cool transceivers mated to the I/O connector may pass through the connector with low resistance, enhancing cooling efficiency. Such a connector may be used with OSFP transceivers to meet signal integrity and thermal requirements at 112GBps and beyond.

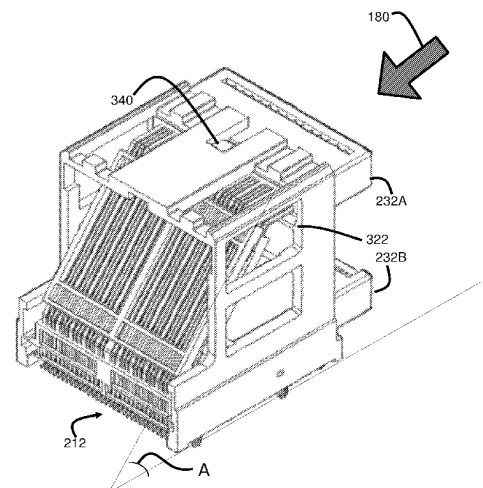


FIG. 4



EUROPEAN SEARCH REPORT

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The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
The Hague		1 September 2026	Teske, Ekkehard
CATEGORY OF CITED DOCUMENTS			
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